

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



10/507233

(43) International Publication Date
25 September 2003 (25.09.2003)

PCT

(10) International Publication Number
WO 2003/078775 A3

(51) International Patent Classification⁷: B05D 5/02

(21) International Application Number:
PCT/US2003/007589

(22) International Filing Date: 11 March 2003 (11.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/363,082 11 March 2002 (11.03.2002) US

(71) Applicant (for all designated States except US): STRUC-
TURAL PROTECTIVE PRODUCTS, INC. [US/US];
P.O. Box 268, Ambridge, PA 15003 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): GRANDE, Carmen
[US/US]; 177 Afton Street, Rochester, NY 14612 (US).

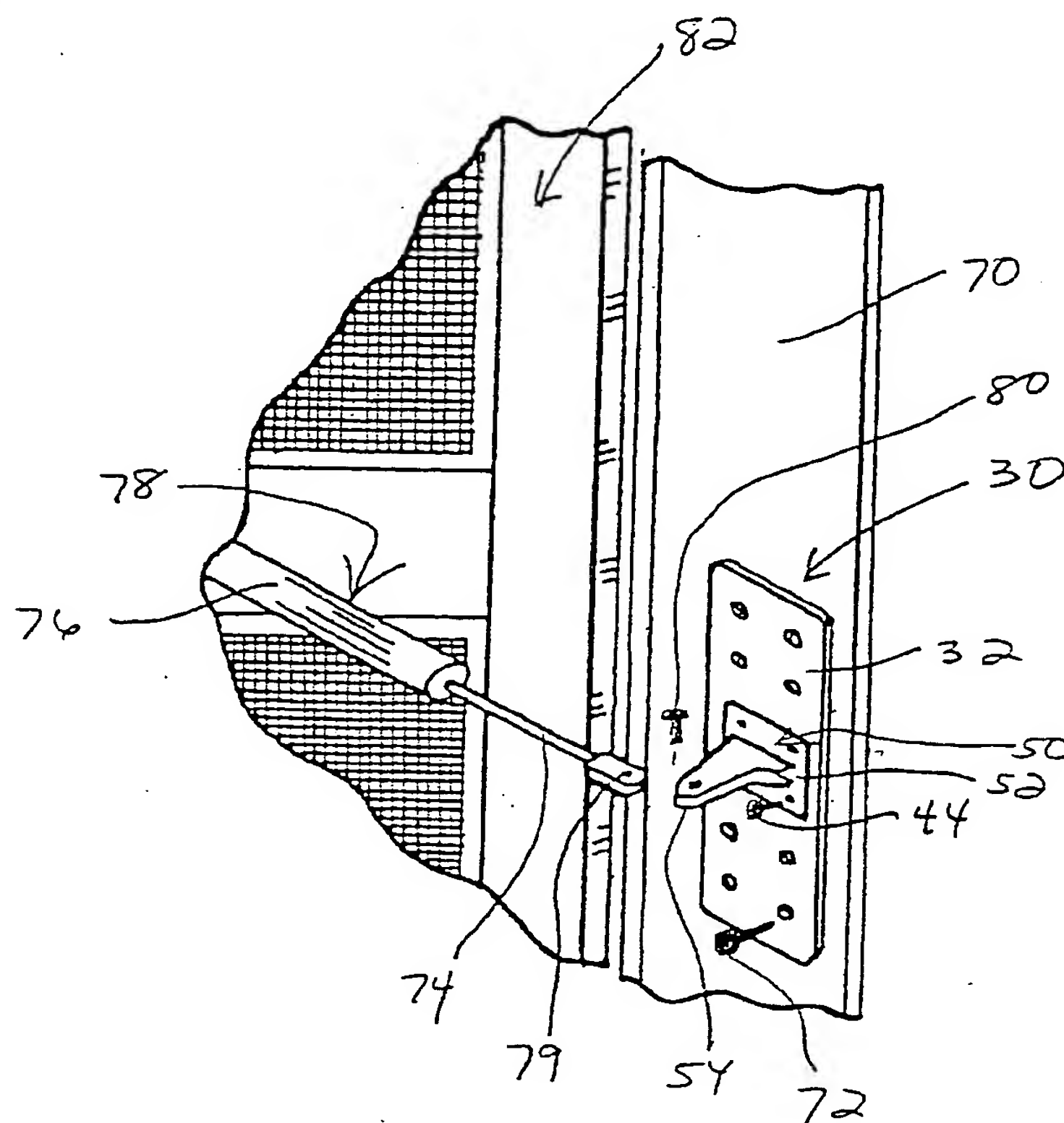
(74) Agents: BYRNE, Richard, L. et al.; Webb Ziesenheim
Logsdon Orkin & Hanson, P.C., 700 Koppers Building, 436
Seventh Avenue, Pittsburgh, PA 15219-1818 (US).

(81) Designated States (national): AE, AG, AL, AM, AT (util-
ity model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (util-
ity model), DE, DK (utility model), DK, DM, DZ, EC, EE
(utility model), EE, ES, FI (utility model), FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR SECURING A DOOR PISTON TO A DOOR JAMB



(57) Abstract: A door piston to door jamb interface (30) includes an elongated plate (32) having a number of threaded holes (34) therein and a bracket (50) including a base (52) and a transverse support member (54) affixed to the base (52). Base (52) includes a set of holes (60) configured in the same pattern as each subset (36, 38 or 40) of threaded holes (34) of plate (32) whereupon, when set of holes (60) and one subset (36, 38 or 40) of threaded holes (34) are aligned, threaded bolts (44) inserted therethrough can threadedly mate with threaded holes (34) of subset (36, 38 or 40) of threaded holes (34) thereby securing base (52) to plate (32). Bracket (50) also defines a pin receiving hole (58) that is spaced from base (52) and which is configured to receive a pin (80) therethrough for pivotally securing an end of a door piston (78) to support member (54).